

Stanton County

Estimated Economic Contribution of Agriculture, Food, and Food Processing Sectors 6/28/2019

Using the most recent IMPLAN data available (2017) adjusted for 2019, 13 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Stanton County economy.¹

These 13 sectors have a total direct output of approximately **\$107.3 million** and support **474 jobs** in Stanton County. Running the model for all 13 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Stanton County Economy					
Contribution Type ²	Employment	% Employment	Total Value Added ³	Total Value Added % of Gross Regional Product ⁴	Output ⁵
Direct Effect	473.5	30.53%	\$23,072,743	23.85%	\$107,393,183
Indirect Effect	99.6	6.42%	\$10,069,717	10.41%	\$18,367,505
Induced Effect	35.8	2.31%	\$2,428,818	2.51%	\$4,582,788
Total Effect	608.9	39.26%	\$35,571,278	36.77%	\$130,343,476

As shown in the above table, agriculture, food, and food processing sectors support **609 jobs**, or **39.26%** of the entire workforce in the county.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of GRP. Total value added by the 13 agriculture, food, and food processing sectors is approximately **\$35.6 million**, or **36.77% of the GRP**.

The following tables document the top industries affected by employment and output, as well as a listing of all industries that were analyzed.

¹ Article on building a contribution analysis in IMPLAN that avoids double counting:

<https://implanhelptest.zendesk.com/hc/en-us/articles/115002801513-Considerations-of-Contribution-Analysis>

² Direct, indirect, and induced effects sum together to estimate the total economic contribution in the state. **Direct effects** capture the contribution from agricultural and food products. **Indirect effects** capture the economic benefit from farms and agricultural businesses purchasing inputs from supporting industries within the state. **Induced effects** capture the benefits created when employees of farms, agricultural businesses, and the supporting industries spend their wages on goods and services within the state.

³ Value added = labor income + indirect business taxes + other property type income.

⁴ GRP = final demand of households + governments expenditures + capital + exports - imports - institutional sales.

⁵ Output = intermediate inputs + value added.

In the top ten agriculture, food, and food processing sectors by employment, the beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector is the top employer with **170 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Stanton County.

Top Ten Agriculture, Food, and Food Processing Sectors by Employment		
Sector	Total Employment	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	170.1	\$27,379,975
Grain farming	147.9	\$65,650,497
Support activities for agriculture and forestry	85.8	\$4,722,886
Animal production, except cattle and poultry and eggs	39.9	\$4,680,507
Wholesale trade	36.9	\$7,972,723
Dairy cattle and milk production	15.7	\$3,062,465
Marketing research and all other miscellaneous professional, scientific, and technical services	10.1	\$284,071
Real estate	6.1	\$898,861
Maintenance and repair construction of nonresidential structures	5.8	\$546,424
Full-service restaurants	5.5	\$229,323

The grain farming sector directly contributes approximately **\$65.7 million** to the Stanton County economy. The table below also shows the amount of revenue that is generated in other industries by having a strong agriculture industry.

Top Ten Agriculture, Food, and Food Processing Sectors by Output		
Sector	Total Employment	Total Output
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Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	170.1	\$27,379,975
Wholesale trade	36.9	\$7,972,723
Support activities for agriculture and forestry	85.8	\$4,722,886
Animal production, except cattle and poultry and eggs	39.9	\$4,680,507
Dairy cattle and milk production	15.7	\$3,062,465
Petroleum refineries	0.2	\$1,827,499
Insurance carriers	3.3	\$1,301,848
Owner-occupied dwellings	0.0	\$1,186,620
Truck transportation	5.2	\$1,152,358

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Stanton County economy.

All Agriculture, Food, and Food Processing Sectors		
Sector	Total Employment	Total Output
Oilseed farming	0.3	\$299,872.49
Grain farming	147.9	\$65,650,497.44
All other crop farming	2.7	\$247,060.87
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	170.1	\$27,379,974.37
Dairy cattle and milk production	15.7	\$3,062,465.43
Poultry and egg production	0.0	\$5,617.34
Animal production, except cattle and poultry and eggs	39.9	\$4,680,506.71
Support activities for agriculture and forestry	85.8	\$4,722,885.61
Meat processed from carcasses	0.3	\$144,041.15
Bread and bakery product, except frozen, manufacturing	1.5	\$173,697.16
Farm machinery and equipment manufacturing	1.4	\$579,023.30
Veterinary services	3.0	\$217,379.21
Landscape and horticultural services	5.0	\$230,161.71

All 105 counties in Kansas have an IMPLAN model and an agriculture, food, and food processing contribution summary. These values do not factor in the retail environment of food sales. Food retail is important, but in order to provide the most accurate picture of what production agricultural and processing contributes to Stanton County, the retail sector was omitted.